

Cont'd
A'

(a) means for converting said image data into digital form having a plurality of digital data characteristics;

(b) means for manipulating a laser beam according to said digital data characteristics by splitting said laser beam into a reference beam and at least one object beam;

(c) means for irradiating a photosensitive surface with said reference beam and said at least one object beam to sequentially form each of said holograms, each having a distinct interference pattern, said interference pattern of each holographic pixel having characteristics of a corresponding discrete portion of said image data.

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2. 90. The device of claim 89, further comprising :

a controller arranged
B (d) means for adjusting distances between adjacent holographic pixels to

indicate additional characteristics of said image data corresponding to said adjacent holographic pixels.

sub
D'

91. The device of claim 90, wherein:

said means for converting comprise means for obtaining data corresponding to pixels of said image.